

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

RAIN SWEEP ACROSS THE STATE

After weeks of hot and dry weather, rain finally swept across the state, according to the Minnesota Agricultural Statistics Service. The rain arrived towards the end of the week and over the weekend, following days of continued hot and humid conditions. The rain helped crops throughout the state. However, heavy rain and strong winds caused corn and small grains to lodge in parts of Minnesota.

Corn height averaged 58 inches an increase of 12 inches. This height compares to 69 inches last year and 65 inches for the 5-year average. Corn is 19% tasseling, compared to 65% last year and 52% for the 5-year average. Corn condition is rated 37% good to excellent, down 5 percentage points from the previous week. Weekend rains are not fully reflected in the condition ratings.

Soybean height averaged 17 inches, compared with 22 inches a year ago and 20 inches for the 5-year average. Soybeans are 53% blooming, behind last year's 70% and the 5-year average of 65%. Soybeans have begun to set pods at 7%, compared to 11% last year and the 5-year average of 13%. The soybean condition rating of good to excellent is 40%, compared to last week's rating of 41%.

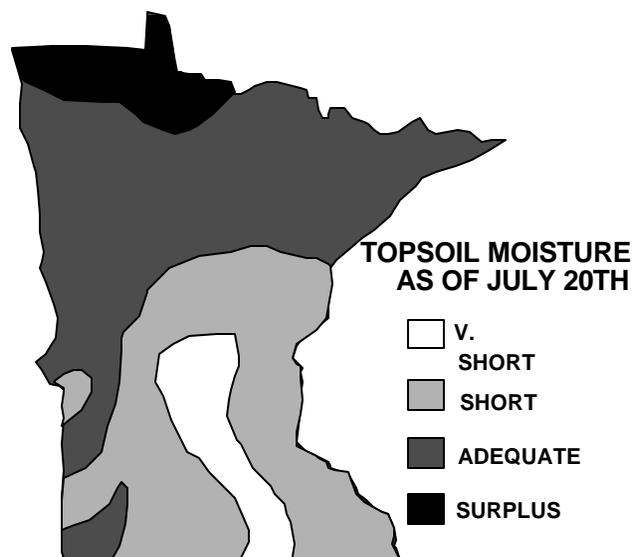
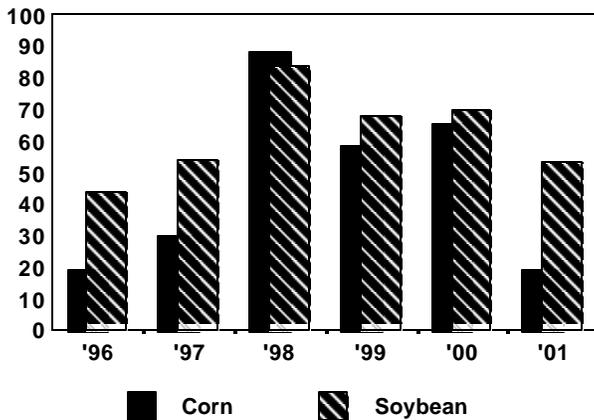
Spring wheat is heading on 96% of the acres, compared to 99% a year ago and 95% for the 5-year average. Spring wheat is 25% turning ripe, compared to 72% a year ago and the 5-year average of 45%. Spring wheat conditions are rated 60% good to excellent, compared to the rating the previous week of 73%.

Pasture conditions are rated as 30% good to excellent, down from last week's rating of 34%.

Days Suitable for Fieldwork: 5.5					
		Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)		19	36	38	7
Crop Progress as of July 22, 2001					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
Corn	Height-Inches	65	69	46	58
	Tasseling	52	65	1	19
Soybeans	Height-Inches	20	22	14	17
	Blooming	65	70	22	53
Winter Wheat	Setting Pods	13	11	0	7
	Harvested	6	6	NA	0
Rye	Harvested	17	15	NA	1
Spring Wheat	Heading	95	99	82	96
	Turning Ripe	45	72	8	25
Oats	Heading	99	99	90	97
	Turning Ripe	64	76	22	53
Barley	Heading	96	99	80	93
	Turning Ripe	44	75	8	31
Crop Condition as of July 20 th					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	10	22	38	28	2
Corn	7	16	40	32	5
Soybeans	5	13	42	36	4
Spring Wheat	7	7	26	49	11
Oats	3	13	35	44	5
Barley	5	9	29	46	11
Dry Beans	4	13	32	42	9
Potatoes	2	7	20	43	28
Sunflowers	3	7	27	54	9
Canola	4	7	39	46	4
Sugarbeets	5	10	31	40	14

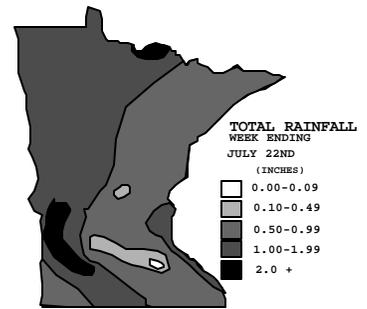
Topsoil moisture conditions across the state as of July 20th were rated 19% very short, 36% short, 38% adequate, and 7% surplus.

CORN TASSELING AND SOYBEANS BLOOMING AS OF JULY 22ND, 1996-2001 IN %



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 22, 2001:

Temperatures averaged from 1.1 degrees above normal in the Northeast District to 7.5 degrees above normal in the North Central District. Extremes: 48° in Grand Marais; 97° in Browns Valley, Redwood Falls. Precipitation averaged from 0.26 inch below normal in the South Central District to 1.03 inches above normal in the West Central District. Greatest weekly total was 4.36 inches.



Precipitation and Temperature Summary for 07/16/2001 through 07/22/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	90	64	76.3	6.2	1.50	.91	-.31	-1.31	1088	25
Moorhead	95	64	77.9	6.2	1.75	1.15	-.31	1.39	1140	13
Warroad	86	64	74.5	6.8	1.55	.83	.17	5.78	1000	79
<u>NC DIST 2</u>										
Grand Rapids	92	60	76.2	8.5	.69	-.17	-2.72	2.65	1049	124
Intl. Falls	90	60	73.4	6.2	2.64	1.85	-.04	3.55	961	65
Itasca	93	62	75.8	7.8	1.32	.60	-1.44	1.20	994	56
<u>NE DIST 3</u>										
Duluth	87	55	70.6	3.9	.91	.11	-1.60	4.19	859	47
Grand Marais	65	48	55.0	-7.1	.63	-.09	-1.62	5.11	400	-169
Hibbing	89	56	72.6	6.5	.78	-.07	-2.35	-.64	906	75
<u>WC DIST 4</u>										
Alexandria	92	64	76.2	4.3	1.35	.70	-1.02	-1.35m	1096	-37
Browns Valley	97	66	78.8	6.2	1.00	.37	-1.36	3.18	1166	-7
Canby	96	65	79.4	5.0	2.45	1.62	-.15	6.33	1240	-32
Fergus Falls	93	64	76.8	5.7	1.50	.79	-1.13	4.75	1168	70
Montevideo	96	65	78.2	5.3	1.95	1.31	.28	5.36	1144	-76
Morris	90	64	76.4	5.2	2.15	1.41	.67	5.50	1163	35
<u>CENT DIST 5</u>										
Becker	94	64	79.1	8.4	.64	-.19	-2.58	2.36	1164	81
Hutchinson	96	65	79.8	7.0	.83	.10	-2.09	2.50	1217	2
Olivia	93	65	78.6	5.2	.49	-.25	-2.63	.60	1210	-51
St. Cloud	93	61	77.7	7.1	.24	-.39	-2.61	3.70	1093	17
Staples	89	60	74.2	5.0	1.77	.98	-.94	7.18	1034	24
Willmar	92	65	78.4	6.2	.70	-.03	-1.82	-.06	1182	-9
<u>EC DIST 6</u>										
Aitkin	89	61	74.8	6.1	.86	-.05	-2.87	4.15	1060	85
Cambridge	90m	70m	80.0m	8.8m	0m	-.83m	-3.62m	4.55m	904m	-217m
MSP Airport	94	67	80.3	6.2	1.65	.88	-1.14	7.16	1264	5
St. Paul - UofM	92	65	79.4	5.1	1.47	.62	-2.15	4.83	1270	-30
<u>SW DIST 7</u>										
Lamberton	95	65	79.4	6.8	4.36	3.52	1.40	5.28	1203	-41
Pipestone	91	67	79.3	7.3	.86	.10	-.67	4.74	1195	37
Redwood Falls	97	67	80.1	5.9	.49	-.45	-1.96	.55	1219	-93
Worthington	93	66	79.6	7.6	.74	.01	-1.99	4.83	1232	44
<u>SC DIST 8</u>										
Faribault	96	67	80.1	7.9	.08	-.89	-3.53	3.07	1159	-32
Waseca	94	63	78.6	7.1	.78	-.17	-2.90	4.20	1208	24
Winnebago	92	57	75.6	3.2	1.21	.28	-2.59	4.32	1200	-16
<u>SE DIST 9</u>										
Preston	92	54	77.4	6.7	.97	.04	-2.84	1.41	1129	15
Red Wing	92	65	78.5	8.0	1.29	.32	-2.73	.88	1186	109
Rochester	90	60	76.6	5.3	.76	-.20	-3.00	7.48	1116	-32
Rosemount	93	62	78.1	6.2	.57	-.32	-3.09	1.34	1157	-19
Winona	92	60	77.7	4.5	1.83	.92	-1.81	3.03	1162	-59

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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